

Title (en)  
ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES

Title (de)  
ENZYMATISCHE HERSTELLUNG VON PERSÄUREN UNTER VERWENDUNG PERHYDROLYTISCHER ENZYME

Title (fr)  
PRODUCTION ENZYMATIQUE DE PERACIDES UTILISANT DES ENZYMES PERHYDROLYTIQUES

Publication  
**EP 1877566 B1 20090218 (EN)**

Application  
**EP 06751832 A 20060428**

Priority  
• US 2006016342 W 20060428  
• US 67611605 P 20050429

Abstract (en)  
[origin: WO2006119060A1] A process is provided to produce a concentrated aqueous peracid solution in situ using at least one enzyme having perhydrolase activity in the presence of hydrogen peroxide (at a concentration of at least 500 mM) under neutral to acidic reaction conditions from suitable carboxylic acid esters (including glycerides) and/or amides substrates. The concentrated peracid solution produced is sufficient for use in a variety of disinfection and/or bleaching applications.

IPC 8 full level  
**C12P 7/00** (2006.01); **A61L 2/16** (2006.01); **A61P 31/00** (2006.01)

CPC (source: EP US)  
**A61L 2/183** (2013.01 - EP US); **A61L 2/186** (2013.01 - EP US); **A61P 31/00** (2018.01 - EP); **C11D 1/521** (2013.01 - EP US); **C11D 3/2093** (2013.01 - EP US); **C11D 3/32** (2013.01 - EP US); **C11D 3/386** (2013.01 - EP US); **C11D 3/3947** (2013.01 - EP US); **C11D 3/48** (2013.01 - EP US); **C12P 7/00** (2013.01 - EP US); **C12P 7/40** (2013.01 - EP US); **A61L 2202/18** (2013.01 - EP US); **A61L 2202/24** (2013.01 - EP US); **A61L 2202/26** (2013.01 - EP US)

Cited by  
CN105255607A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2006119060 A1 20061109**; CN 101166828 A 20080423; CN 101166828 B 20140305; DE 602006005234 D1 20090402; EP 1877566 A1 20080116; EP 1877566 B1 20090218; US 2007105740 A1 20070510; US 2010016429 A1 20100121; US 7612030 B2 20091103; US 8163801 B2 20120424

DOCDB simple family (application)  
**US 2006016342 W 20060428**; CN 200680014638 A 20060428; DE 602006005234 T 20060428; EP 06751832 A 20060428; US 41324606 A 20060428; US 56541909 A 20090923